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1 [illegible] Approval DAVIS
2 [illegible] Coord DONNALLY
3 [illegible] " CHILDS
4 [illegible] " SENTER
5 [illegible] " PATERSON
6 AFAAC " ASENSIO
7 [illegible] "
8 [illegible] Signature MONTGOMERY

AFDAT 72791 15 Oct 59

Major Henry C. Howard sw

(U) Transfer of SAMOS, DISCOVERER and MIDAS Programs to the Department of the Air Force

Reference: Secretary of Defense Memorandum to the Chairman, Joint Chiefs of Staff, subject: "Coordination of Satellite and Space Vehicle Operations", dated 18 September 1959.

1. In response to referenced memorandum and specific instructions of the Assistant Secretary of the Air Force (R&D), the DAF is requesting by separate memoranda the program responsibility for the SAMOS, MIDAS and DISCOVERER programs be transferred to the DAF.

2. The programs will continue at the current fund level and in accordance with the approved development plans as amended by existing ARPA Orders.

3. It is of the utmost importance to the Air Force to request these program transfer actions immediately.

RECOMMENDATIONS:

4. That the Assistant Secretary of the Air Force (R&D) discuss with Director, Defense Research and Engineering the inclosed memorandums prior to signature.

5. Depending on the results of 4 above, that the attached memorandums [illegible] be signed.

DEC 3

3 Incls:
1. Proposed Memo re MIDAS
2. Proposed Memo re SAMOS
3. Proposed Memo re DISCOVERER

JOHN L. MARTIN, JR.
Colonel, USAF
Deputy Director of
Advanced Technology
DCS/Development

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#153

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1 AFDRC Approval
2 AFDRC Coord
3 AFCGS "
4 AFDRC "
5 AFCIN " ~~Col [illegible]~~
6 AFAAC "
7 AFCCS "
8 SAFS Signature

AFDAT 73792 9 Oct 59

Maj D.S. Floyd/Maj E.C. [illegible] [illegible]

(U) Transfer of SAMOS, DISCOVERER, and MIDAS to the Department of the Air Force

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Brfd-71.

2 [illegible] Coord
3 [illegible] "
4 [illegible] "
5 AFCIN "
6 AFAAC "
7 AFCCS "
8 [illegible] Signature

[illegible] [illegible] [illegible]

Maj D.S. Floyd/Maj E.C. Howard [illegible]

(U) Transfer of [illegible], [illegible], and [illegible] to the Department of the Air Force

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2B

1 AFDRC Approval
2 AFDSC Coord
3 AFOEC "
4 AFMPC " Senter m/A.
5 AFCGM "
6 AFAAC "
7 AFCCS "
8 SAFS Signature

AFDAT 71751 9 Oct 59

Maj D.S. Floyd/Maj H.C. Howard

(U) Transfer of SAMOS, DISCOVERER, and MIDAS to the Department of the Air Force

Reference: Secretary of Defense Memorandum to the Chairman, Joint Chiefs of Staff, subject: "Coordination of Satellite and Space Vehicle Operations," dated 18 September 1959

1. In response to referenced Memorandum, the Department of the Air Force is requesting the program responsibility for the SAMOS, DISCOVERER, and MIDAS programs be transferred to the Department of the Air Force. The DISCOVERER program and three separate memorandums are submitted in accordance with telephone instructions from the Assistant Secretary of ~~Defense~~ AIR FORCE (R&D).

2. The programs will continue at the current fund level and in accordance with the approved development plans as amended by existing ARPA Orders. It is proposed that the management be under the administrative procedures of the Air Force Ballistic Missile Committee with AFDAT as the Secretariat for Space Systems.

3. It is of the utmost importance to the Air Force to request these program transfer actions immediately.

RECOMMENDATION:

4. That the attached memorandums to Director, Defense Research and Engineering be signed.

~~Col R.W. [illegible]~~

~~Col [illegible]~~

~~Col Whitford~~
12 Oct

~~Lt C Jg Smith~~
12 Oct

~~Col ge Arnold-PD~~

AFMPP

A.F.~~CGM~~ ~~EXPD~~

AFABF

EXECUTIVE OFFICE
DCS/MATERIEL

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AFDAT/Maj Floyd/tw/71791/15 Oct 59

MEMORANDUM FOR DIRECTOR, DEFENSE RESEARCH AND ENGINEERING, OSD

SUBJECT: (U) Transfer of the SAMOS Development Program to the Department of the Air Force

Reference: Secretary of Defense Memorandum, subject: "Coordination of Satellite and Space Vehicle Operations", dated 18 September 1959

In response to the referenced memorandum, the immediate transfer of responsibility for the development of an Advanced Reconnaissance Satellite (SAMOS) to the Department of the Air Force is requested. The development of this system can be expected to continue within the framework of the currently approved concept as indicated below. Detailed plans, to include user relationships with the Unified and Specified Commands, will follow. Recommendations concerning the transfer of funds between ARPA and the DAF will be contained in a separate memorandum to OSD Comptroller.

The SAMOS development program will result in an operational system for reconnaissance of all areas of the world through the use of both photographic and ferret sensors. SAMOS satellites, with either of the above payloads, will be launched by ATLAS boosters into polar orbits to an altitude of 300 statute miles above the earth. The reconnaissance information obtained will be either physically recovered from orbit near Hawaii or communicated to ground readout stations.

The last approved development plan for SAMOS, dated 30 January 1959, is presently being revised in accordance with a general agreement between ARPA and the DAF which takes into account the FY '60 funds available for this program. Funding for the next two years is shown as follows:

SAMOS
(In Millions)

	FY 1960	
	ARPA	AF
Included in Financial Plan	146.0	11.5

[redacted]

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Memo, SAF, subj: (U) Transfer of SENTRY Development Program to the AF (Cont'd)

[illegible]

	FY 1960		
	ARPA	AF	
Included in Financial Plan	15.7		[redacted]

The development plan, as revised to reflect the FY 1960 funds available, will in essence maintain the schedule for the Ferret and photographic readout phases of the program, while allowing some slippage to the recoverable payload program. The initial launch of a recoverable payload will probably not occur before early FY '62.

It is anticipated that the transfer will result in no significant changes in this development program. Immediate transfer pending receipt of the latest development plan would permit orderly progression for the remainder of the fiscal year.

AFDAT

AFDAT, Coord Cy
AFDDC, Info Cy
AFXPD, Info Cy
AFODC, Info Cy
AFMDC, Info Cy
AFCIN, Info Cy
AFAAC, Info Cy
AFCVC, Info Cy
SAFRD, Ofc of Sig

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SS in SAMOS file
X ref

AFDAT/Maj Howard/71791/tw/15 Oct 59

MEMORANDUM FOR DIRECTOR, DEFENSE RESEARCH AND ENGINEERING, OSD

SUBJECT: (U) Transfer of MIDAS Program to the Department of the Air Force

Reference: Secretary of Defense Memorandum, subject: "Coordination of Satellite and Space Vehicle Operations", dated 18 September 1959

In response to the referenced memorandum, it is requested that the responsibility for the MIDAS development program be transferred immediately from the Advanced Research Projects Agency, OSD to the Department of the Air Force.

The Air Force considers the MIDAS program as a promising means of establishing a system for the purpose of obtaining the earliest possible warning of the launching of ballistic missiles and enhancing the capability of both active and passive defenses. The system development program will continue at the approved fund level for FY '60 and in accordance with the approved development plan as modified by existing ARPA Orders. Upon transfer of program responsibility, funds, and documentation, the DAF will make a detailed survey of the status of the MIDAS program and submit for approval a revised development plan that incorporates existing ARPA Orders, the current development plan, and any necessary changes that become apparent as a result of the detailed survey. Detailed plans, to include user relationships with the Unified and Specified Commands, will follow.

The current development launch schedule within the fund and priority limitations is:

Flight	Complex	Range	Scheduled Launch Date
*1	Pad 14	AMR	January 1960
*2	Pad 14	AMR	March 1960

*Approximately 3 to 7 weeks slip due to reschedule of ATLAS-ABLE 4 launch

Flight	Complex	Range	Scheduled Launch Date
3	1	PMR	December 1960
4	1	PMR	March 1961
5	1	PMR	June 1961
6	1	PMR	October 1961

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Memo, SAF, subj: (U) Transfer of MIDAS Program to the DAF (Cont'd)

Flights 7, 8, 9 and 10 launch dates are contingent on availability of additional launch facilities for space program at or near AMR. With additional launch facilities the ten vehicle development program could be completed by March 1962, and by October 1962 without the new facilities.

Funds presently contained in ARPA and Air Force financial plans and budget estimates are as follows:

	AF	ARPA	[illegible]
FY 1960	$ [illegible].9	[illegible].0	7.4
FY 1961	95.3	[illegible].0	20.0

Recommendations concerning the transfer of funds between ARPA and DAF will be contained in a separate memorandum to OSD Comptroller.

AFDAT

AFDAT, Coord Cy
AFDDC, Info Cy
AFXPD, Info Cy
AFODC, Info Cy
AFMDC, Info Cy
AFCIN, Info Cy
AFAAC, Info Cy
AFCVC, Info Cy
SAFRD, Ofc of Sig

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SS in Samos file + ref.

AFDAT/Maj Floyd/mw/72798/15 Oct 59

MEMORANDUM FOR DIRECTOR, DEFENSE RESEARCH AND ENGINEERING, OSD

SUBJECT: (U) Transfer of the DISCOVERER Development Program to the Department of the Air Force

Reference: Secretary of Defense Memorandum, subject: Coordination of Satellite and Space Vehicle Operations, dated 23 September 1959

In response to the above memorandum, the Department of the Air Force requests the immediate transfer of the DISCOVERER program to the Air Force. While it is recognized that the referenced memorandum does not specifically identify the DISCOVERER program, the assignment of responsibility for this program to the DAF appears to be a logical and uniform extension of the SAMOS, MIDAS, booster and systems integration assignments which have been approved.

The DISCOVERER development program is designed to study the problems related to the achievement of stabilized orbits, attitude stabilization, operational system techniques, recovery of biomedical payloads and the execution of nonrecoverable advanced engineering tests. Development will continue at the approved fund level for FY '60 and in accordance with the approved development plan dated 30 January 1959 as modified by existing ARPA Orders. Upon transfer of program responsibility, funds, and documentation, the DAF will make a detailed survey of the status of the DISCOVERER program and submit a revised development plan that incorporates existing ARPA Orders, a current development plan, and any necessary changes that become apparent as a result of the detailed survey.

The current schedule for the DISCOVERER program is as follows:

1959												1960							
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
1	1		1		2		2		2	2	2	1	1	1	1	2	2	2	2

The total DISCOVERER test flight program now consists of 25 combinations of THOR and AGENA vehicles. Because of difficulties in the DISCOVERER V and VI flights, two months have elapsed since the last launch. During

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[illegible]

[illegible]

[illegible]

M

FY [illegible] $[illegible]

[redacted]

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